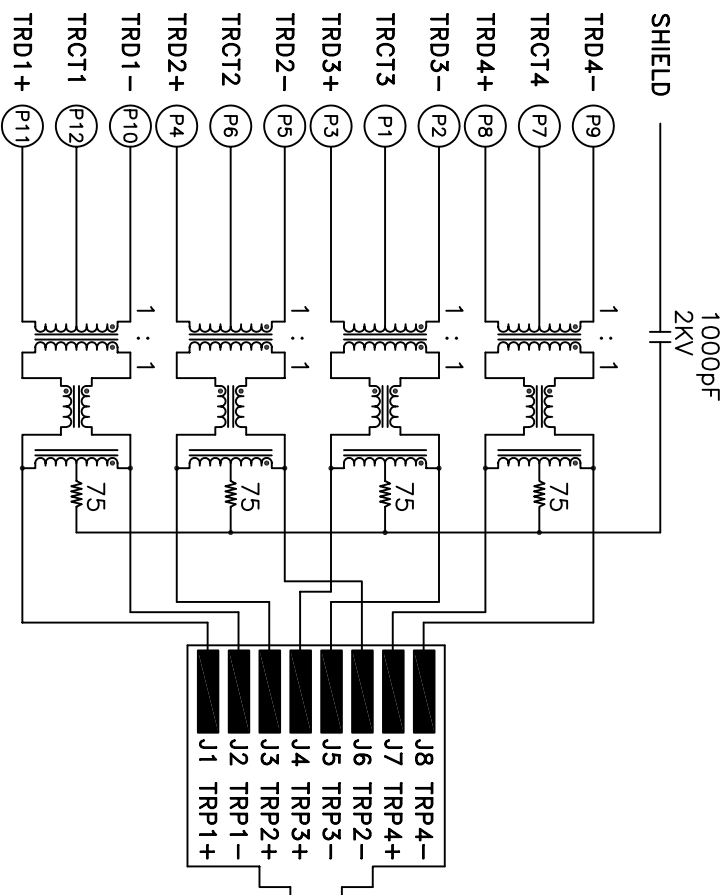




ELECTRICAL SPECIFICATIONS:

- 1.0 TURNS RATIO: (P3-P2) : (J4-J5) : 1 : 1 ±2%
{P5-P4} : {J6-J3} : 1 : 1 ±2%
{P9-P8} : {J8-J7} : 1 : 1 ±2%
(P10-P11) : (J2-J1) : 1 : 1 ±2%

- 2.0 INDUCTANCE: (P3-P2) : (P5-P4) : 350 uH MIN. @ 0.1V, 100KHz, 8 mA DC BIAS
(P10-P11) : (P9-P8) : 350 uH MIN. @ 0.1V, 100KHz, 8 mA DC BIAS

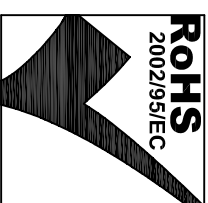
- 3.0 LEAKAGE INDUCTANCE: P3-P2 (WITH J4 AND J5 SHORT) : 0.3uH MAX. @ 1MHz
P5-P4 (WITH J6 AND J3 SHORT) : 0.3uH MAX. @ 1MHz
P9-P8 (WITH J8 AND J7 SHORT) : 0.3uH MAX. @ 1MHz
P10-P11 (WITH J1 AND J2 SHORT) : 0.3uH MAX. @ 1MHz

- 4.0 INTERWINDING CAPACITANCE: (P3-P2) : (J4-J5) : 35pf MAX @ 1MHz
{P5-P4} : {J6-J3} : 35pf MAX @ 1MHz
{P9-P8} : {J5-J4} : 35pf MAX @ 1MHz
(P10-P11) : (J2-J1) : 35pf MAX @ 1MHz

- 5.0 DC RESISTANCE: (J6-J3) : (J2-J1) : (J7-J8) : (J4-J5) : 1.2 ohms Max.

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- 6.0 RETURN LOSS: 1MHz TO 30MHz

30MHz TO 60MHz

60MHz TO 80MHz

80MHz TO 100MHz

: -19dB MIN.

: -13dB MIN.

: -12dB MIN.

: -10dB MIN.
- 7.0 DIELECTRIC WITHSTAND: (J1,J2) TO (P10,P11) ; (J5,J4) TO (P3-P2)

(J3,J6) TO (P5,P4) ; (J8,J7) TO (P9, P8)

: 1500 VAC

: 1500 VAC
- 8.0 INSERTION LOSS: RS=RL=100 ohms

100KHz TO 125MHz

: -1.1 dB TYP
- 9.0 RISE TIME: RS=100 OHMS AND RL = 100 OHMS

OUTPUT VOLTAGE = 1 V peak

PULSE WIDTH= 112ns

: 3.0 ns MAX

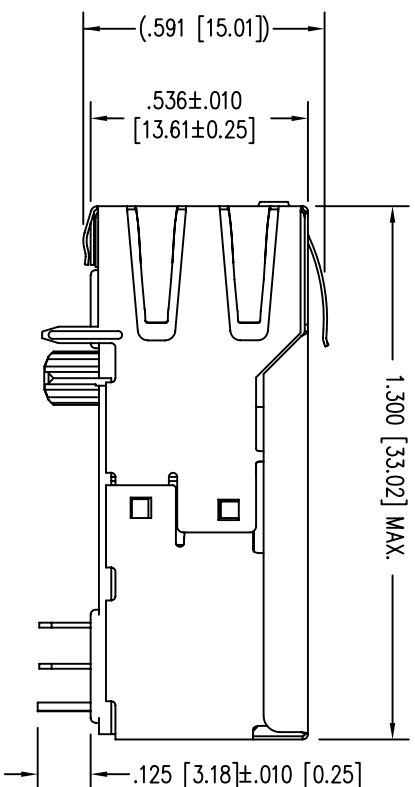
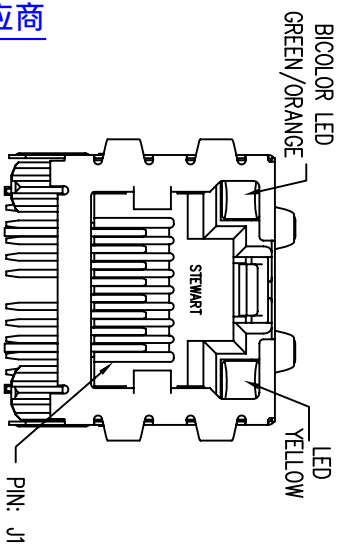
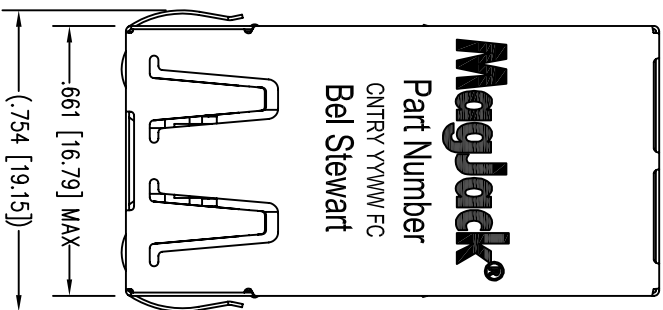
: 3.0 ns MAX
- 10.0 CROSS TALK: 1-100 MHz

: -[33-20 LOG ($\frac{F}{50 \text{ MHz}}$)] MIN.
- 11.0 COMMON TO COMMON MODE ATTENUATION: 1MHz TO 100MHz

: -35dB TYP

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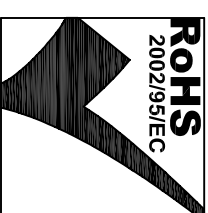


STANDARD LED	WAVELENGTH	FORWARD V (MAX)	* (TYP)
GREEN	565 nm	2.5 V	2.2 V
YELLOW	590 nm	2.5 V	2.1 V
ORANGE	610 nm	2.5 V	2.1 V

* WITH A FORWARD CURRENT OF 20 mA (TYP)

NOTES:

- CONNECTOR MATERIALS:
HOUSING: THERMOPLASTIC UL94 V-0
CONTACT/SHIELD: COPPER ALLOY
SHIELD PLATING: NICKEL OR TIN
CONTACT PLATING: SELECTIVE GOLD,
50 MICRO-INCHES MIN. IN CONTACT AREA.
- PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.
SEE ELECTRICAL DRAWING FOR OMITTED PINS.
- TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.
- ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ±.005 [0.13]
- WAVE SOLDER COMPATIBLE – PREHEAT 125°C/90SECS.
HIGH TEMPERATURE REFLOW COMPATIBLE – 230°C/90 SEC MAX.



Bel Stewart Connector
11118 Susquehanna Trail, South
Glen Rock, Pa 17327-9199
717.234.7512

<http://www.stewartconnector.com>



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SHEET
3 OF 4

DRAWING NO.

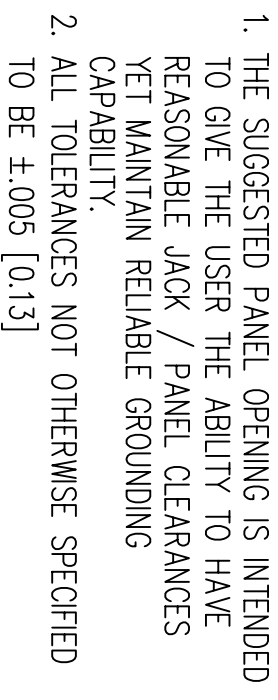
SI-50065-F

REV.
05

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└.000 (TOP OF PCB TO BOTTOM OF OPENING)
└.010 [0.25] MAX. RADIUS(4)



P.C.B. RECOMMENDED HOLE LAYOUT
SEEN FROM COMPONENT SIDE

Bel Stewart Connector
 11118 Susquehanna Trail, South
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 717.234.7512
<http://www.stewartconnector.com>
Magjack®
 SHEET 4 OF 4 DRAWING NO. SI-50065-F REV. 03

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